PATENT Attorney Docket No. CPC-006CN2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Biondi et al.

SERIAL NO.:

Not yet assigned

GROUP NO.:

Not yet assigned

FILING DATE:

Herewith

EXAMINER:

Not yet assigned

TITLE:

A System for Automatically Weaning a Patient from a Ventilator, and

Method Thereof

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), paper copies of references A1-A110 are not enclosed. Per 37 C.F.R. 1.98(d), references B1-B14 and C1-C21 were previously submitted to, or cited by, the U.S. Patent Office in U.S. Patent Applications Nos. 08/569,919, 09/045,461, 09/660,820, 09/767,173, and/or 10/260,796, which are relied upon in the present case for an earlier effective filing date under 35 U.S.C. 120, and, therefore, paper copies of these references are not enclosed. Should the Examiner require paper copies of some or all of these references, the Undersigned may be contacted at the telephone number listed below.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

X

(1) within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three
 (3) months of the date of entry of the national stage as set forth in 37 C.F.R.
 1.491 in an international application, or before the mailing of the first Office

Information Disclosure Statement Serial No. Not yet assigned Page 2 of 3

		action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
	(2)	after the period defined in (1) but before the mailing date of a final action or a notice of allowance under 37 C.F.R. 1.311, and
		the requisite Statement is below, OR
		the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein, or
	(3)	after the mailing date of a final action or notice of allowance but before the payment of the issue fee, AND
		the requisite Statement is below, AND
		the requisite petition fee under 37 C.F.R. 1.17(p), namely \$180.00 is included herein.
	-	tfully requested that each of the patents and publications listed on the attached, and other information contained herein, be made of record in this application.
		STATEMENT
either tl	hat [chec	d under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state k the appropriate space only if either (2) or (3) is checked on the previous eatement is required]:
		1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or
		2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Information Disclosure Statement Serial No. Not yet assigned Page 3 of 3

Date: November 17, 2003

Reg. No. 44,244

Tel. No.: (617) 248-7044 Fax No.: (617) 248-7100

2712461_1

Respectfully submitted,

Ronda P. Moore

Attorney for the Applicants Testa, Hurwitz, & Thibeault, LLP

High Street Tower 125 High Street

Boston, Massachusetts 02110

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: CPC-006CN2

APPLICANTS: Biondi et al.

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EXAM.		DOCUMENT					SUB	FILING DATE II	
INIT.	NUMBER		DATE	NAME	NAME		CLASS	APPROPRIATE	
	A1	RE. 35,295	07/16/96	Estes et a	1.			08/24/94	
	A2	3,212,496	10/19/65	Richard J	. Preston			08/21/62	
	A3	3,741,208	06/26/73	Jonsson,	et al.			02/23/71	
	A4	3,835,845	9/17/74	Charles E	. Maher	**	1	10/24/72	
	A5	3,923,055	12/2/75	Konrad H	Iammacher			11/15/74	
	A6	3,961,627	06/08/76	Ernst et a	1.			09/03/74	
	A7	3,972,327	8/3/76	Ernst et a	1.			11/07/74	
	A8	3,976,064	08/24/76	Wood et	al.			03/11/75	
	A9	4,016,871	4/12/77	Peter Sch	iff			03/06/75	
	A10	4,036,221	7/19/77	Hillsman	et al.			04/02/75	
	A11	4,050,458	09/27/77	Friend				01/26/76	
	A12	4,141,356	02/27/79	Smargias	si			11/18/77	
	A13	4,163,450	8/7/79	Kirk et al				01/27/77	
	A14	4,176,663	12/04/79	Hewlett				10/04/77	
	A15	4,204,524	5/27/80	Martin et	al.			11/07/77	
•	A16	4,256,100	03/17/87	Levy et a	l.			02/12/79	
_	A17	4,281,651	08/04/81	Cox				07/30/79	
	A18	4,323,064	4/6/82	Hoenig e	al.			06/01/79	
	A19	4,340,044	7/20/82	Levy et a	l.			03/20/80	
	A20	4,413,632	11/8/83	Schlessin	ger et al.			10/09/79	
	A21	4,417,573	11/29/83	De Vries				07/02/81	
	A22	4,424,806	1/10/84	Newman	et al.			03/12/81	
	A23	4,444,201	04/24/84	Ayao Itol	1			08/19/81	
	A24	4,448,192	5/15/84	Stawitcke	et al.			03/05/82	
	A25	4,456,008	01/26/84	Clawson	et al.			09/13/82	
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EXAM.		DOCUMENT					SUB	FILING DATE IF
INIT.		NUMBER	DATE	NAME		CLASS	CLASS	APPROPRIATE
	A26	4,459,982	07/17/84	Fry	-			09/13/82
	A27	4,546,770	10/15/85	Schlessin	ger et al.			03/04/83
	A28	4,637,385	01/20/87	Rusz				01/13/86
	A29	4,676,232	06/30/87	Olsson et	al.			09/16/86
	A30	4,838,257	6/13/89	Guy M. I	Iatch			07/17/87
	A31	4,840,167	06/20/89	Olsson et	al.			04/15/87
	A32	4,877,023	10/31/89	Zalkin				02/25/88
	A33	4,917,080	04/17/90	Bayerlein				05/19/89
	A34	4,928,674	5/29/90	Halperin	et al.			11/21/88
	A35	4,984,158	01/08/91	Hillsman				10/14/88
	A36	4,986,268	1/22/91	Fleur T. 7	Tehrani			08/18/88
	A37	4,990,894	02/05/91	Loescher	et al.			11/01/89
	A38	5,020,516	6/4/91	Biondi et	al.			03/31/88
	A39	5,040,529	08/20/91	Zalkin				04/14/89
	A40	5,072,737	12/17/91	Peter Gou	ılding			04/12/89
	A41	5,092,326	03/03/92	Winn et a	ıl.			11/19/87
	A42	5,097,424	03/17/92	Ginevri e	t al.			03/18/91
	A43	5,103,814	04/14/92	Maher				08/24/89
	A44	5,107,831	4/28/92	Halpern e	et al.			06/06/91
	A45	5,129,390	7/14/92	Chopin e	t al.			12/13/88
	A46	5,161,525	11/10/92	Kimm et	al.			05/11/90
	A47	5,183,038	02/02/93	Hoffman	et al.			11/04/91
	A48	5,188,098	2/23/93	Hoffman	et al.			11/04/91
	A49	5,271,389	12/21/93	Isaza et a	1.			02/12/92
	A50	5,299,568	04/05/94	Forare et	al.			01/11/93
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EXAM.		DOCUMENT		_			SUB	FILING DATE IF	
INIT.		NUMBER	DATE	NAME		CLASS	CLASS	APPROPRIATE	
	A51	5,303,698	04/19/94	Tobia et a	al.			08/27/91	
	A52	5,303,699	04/19/94	Bonassa e	et al.			11/18/91	
	A53	5,309,919	05/10/94	Snell et al	1.			03/02/92	
	A54	5,316,009	05/31/94	Yamada				07/01/92	
	A55	5,319,540	06/07/94	Isaza et al	l.			09/07/93	
	A56	5,323,772	06/28/94	Linden et	al.			06/01/92	
	A57	5,331,995	7/26/94	Westfall 6	et al.			07/17/92	
	A58	5,373,842	12/20/94	Olsson et	al.			12/18/91	
	A59	5,377,671	01/03/95	Biondi et	al.			09/16/91	
	A60	5,383,449	01/24/95	Forare et	al.			09/28/93	
	A61	5,390,666	02/21/95	Kimm et a	al.			12/03/93	
-	A62	5,400,777	03/28/95	Olsson et	al.			04/15/93	
	A63	5,402,796	04/04/95	Packer et	al.			09/19/91	
	A64	5,419,314	05/30/95	Christoph	ıer			12/13/93	
	A65	5,429,123	07/04/95	Shaffer et	al.			12/15/93	
	A66	5,433,193	07/18/95	Sanders e	t al.	;		09/18/92	
<u> </u>	A67	5,438,980	08/08/95	Phillips	West-out			01/12/93	
	A68	5,515,844	05/14/96	Christoph	ier			05/26/95	
	A69	5,520,192	05/28/96	Kitney et	al.			11/21/94	
	A70	5,535,738	07/16/96	Estes et a	1.			06/03/94	
	A71	5,540,233	07/30/96	Larsson e	t al.			10/24/94	
	A72	5,549,106	08/27/96	Gruenke e	et al.			07/21/93	
	A73	5,551,418	09/03/96	Estes et a	1.			08/23/93	
	A74	5,558,086	09/24/96	Smith et a	al.			11/23/94	
	A75 5,596,984 01/28/97 O'Maho			O'Mahon	y et al.			09/12/94	

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EXAM.		DOCUMENT					SUB	FILING DATE IF	
INIT.		NUMBER	DATE	NAME		CLASS	CLASS	APPROPRIATE	
	A76	5,598,838	02/04/97	Servidio	et al.			04/07/95	
7:	A77	5,630,411	05/20/97	Holscher	<u> </u>			09/18/95	
.,	A78	5,632,270	05/27/97	O'Mahon	y et al.			09/12/94	
	A79	5,660,171	08/26/97	Kimm et	al.			08/21/96	
	A80	5,664,563	09/09/97	Schroede	r et al.			12/9/94	
	A81	5,692,497	12/02/97	Schnitzer	et al.			05/16/96	
	A82	5,740,796	04/21/98	Skog		-		11/06/96	
	A83	5,743,253	04/28/98	Castor et	al.			01/19/96	
	A84	5,806,513	09/15/98	Tham et a	al.		*	10/11/96	
	A85	5,862,802	01/26/99	Bird				11/23/92	
	A86	5,868,133	02/09/99	DeVries o	DeVries et al.		-	02/03/97	
-	A87	5,875,777	03/02/99	Eriksson			04/24/97		
	A88	5,878,744	03/09/99	Pfeiffer				07/22/97	
	A89	5,881,723	03/16/99	Wallace 6	et al.			03/14/97	
	A90	5,915,380	06/29/99	Wallace 6	et al.			03/14/97	
	A91	5,915,381	06/29/99	Nord	·			12/02/96	
	A92	5,918,597	07/06/99	Jones et a	ıl.			01/15/98	
	A93	5,927,274	07/27/99	Servidio	et al.			02/03/97	
	A94	5,931,159	08/03/99	Suzuki et	al.			06/10/97	
	A95	5,931,160	08/03/99	Gilmore e	et al.			12/08/95	
	A96	5,931,162	08/03/99	Christian				06/03/97	
	A97	5,937,853	08/17/99	Ström				11/06/96	
	A98	5,957,130	09/28/99	Krahbich	ler et al.			08/25/97	
	A99	6,000,396	12/14/99	Melker et	al.			08/17/95	
	A100	6,015,388	01/18/00	Sackner e	Sackner et al.			03/17/98	
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FORM PTO - 1449					ATTY DOCKET NO.: CPC-006CN2						
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INIT.		NUMBER	DATE	NAME			CLASS	CLASS		ROPRIATE	
	A10	1 6,024,089	02/15/00	Wallace	et al.				03/1	14/97	
	A10	2 6,029,664	02/29/00	Zdrojko	wski et al.				03/2	25/97	
	A10	3 6,076,523	06/20/00	Jones et	al.				01/1	15/98	
	A10	4 6,095,139	08/01/00	Psaros			-		09/0)8/98	
	A10	5 6,148,814	11/21/00	Clemme	er et al.				02/0	02/08/96	
	A10	6 6,158,432	12/12/00	Biondi					03/2	20/98	
	A10	7 6,158,433	12/12/00	Ong et a	ıl.				11/0	11/06/98	
,	A10	8 6,182,667	02/06/01	Hanks et al.					04/0)2/99	
	A10	9 6,305,372	10/23/01	Servidio)				06/2	24/99	
	A11	0 6,463,930	10/15/02	Biondi e	et al.	-			01/2	22/01	
			FOR	EIGN PAT	ENT DOC	UMENT	S				
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRA ONLY	CT	ENGLISH LANG Y/N	
	B1	2 348 582	11/27/73	DE							
	B2	0 182 722	05/28/86	ЕР							
	В3	0 342 443	05/19/88	EP							
	B4	0 274 996	07/20/88	EP							
	B5	0 993 841 A1	04/19/00	EP							
	В6	2,729,084	12/13/95	FR							
	В7	8 801 322		NL							
	B8	2 162 430A	02/05/86	UK							
	В9	92/11054	07/09/92	wo							
	B10	92/11054A	07/09/92	wo		ļ					
	B11	96/17641A	06/13/96	wo							
	B12	97/20592A	06/12/97	wo	1						
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FORM	PTO -	· 1449			ATTY DOCKET NO.: CPC-006CN2					
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EXAM.		DOCUMENT	TOK	COUNTRY	ENT DOCUMENTS SUB FILING ABSTRACT ENGLIS					
INIT.		NUMBER	DATE	CODE	CLASS	CLASS	DATE	ONLY	LANG Y/N	
	B13	99/47200A	09/23/99	wo						
	B14	00/45880A	08/10/00	wo						
			OTHER A	ART, JOUR	NAL AR	TICLES, I	ETC.			
EXAM. INIT.	ОТН	IER DOCUMEN	NTS: (Includin	g Author, Ti	ile, Date, Re	levant Page	es, Place of	Publication)		
	C1	Adult Star Ven	tilator "Adult S	tar Ventilator	Operating In	structions"	Adult Star V	/entilator		
	C2	Bear Medical S	ystems, Inc. "B	ear 5 Medical	Ventilator In	struction M	fanual" <u>Bea</u>	r Medical Syster	<u>ns, Inc</u> . (1985)	
	C3		-					ntilatory Suppor ol. 150, pgs. 896	•	
	C4		Dries, "Weaning from Mechanical Ventilation," <u>Journal of Trauma: Injury, Infection, and Crit. Care</u> , (1997), Vol. 43, No. 2, pgs. 372-384.							
	C5	East, T.D., "The	e Ventilators of	the 1990's", I	Respiratory (Care 35: 232	2-240 (1990).		
	C6	Esteban et al., " Journal of Med				ng Patients	from Mech	anical Ventilatio	n," <u>N.E.</u>	
	C7	Fontes et al., "F Cardiopulmona	•	_	_	-		g out on the Eld pg.).	erly?,"	
	C8	1	wing Cardiac Su	irgery?," Card			-	ior to Clinician- American Socie		
	C9		lverse Cardiopu	ilmonary Even				g Cardiac Surger act: 1998 Societ	-	
	C10	Hamilton Medi	cal "Veolar Ope	erator's Manua	al" <u>Hamilton</u>	Medical (July 1988)			
	C11	Hitchin, J., "Co Section 7: 1-3/2			ostics for In	fants and Cl	nildren" <u>Bio</u>	medical Busines	ss International	
	C12	International Se	earch Report for	PCT/US02/0	1716.				,	
	C13	Kollef et al., "A mechanical ven			-			n-directed wean	ing from	
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FORM	PTO -	1449	ATTY DOCKET NO.: CPC-006CN2 APPLICANTS: Biondi et al.					
INFOR	MATI	ON DISCLOSURE STATEMENT						
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			FILING DATE: Herewith GROUP: Not yet assigned					
		OTHER ART, JOUR	NAL ARTICLES, ETC.					
EXAM. INIT.	ОТН	IER DOCUMENTS: (Including Author, Tit	tle, Date, Relevant Pages, Place of Publication)					
	C14	Noack, G., M.D., "Ventilatory Treatment of	Neonates and Infants" Siemens (April 1993)					
	C15 Puritan Bennett "Puritan Bennett 7200 Series Ventilator, Options, and Accessories - Operation's Manual - Number 22300A" Marketing Communications Department - Puritan-Bennett Corporation 1-6/9 (September 1990)							
	C16	Sanborn, W.G., "Ventilation in the Informati Medicine, Puritan-Bennett Corporation, Carl	on Age", presented at the Product Opportunities in Critical Care sbad, CA., May 18, 1989.					
	C17	•	Operating Airway Pressures of the Puritan-Bennett 7200 Ventilator ergoing Weaning from Prolonged Mechanical Ventilators," ciety for Critical Care Medicine (1 pg.).					
	C18		Strategies in Patients Undergoing Prolonged Mechanical act: 2000 American College of Chest Physicians (1 pg.).					
	C19	Siemens "Servo Ventilator 300 Service Manu	ual - Preliminary" <u>Siemens</u> (1991)					
	C20 Siemens "Servo Ventilator 900C Operating Manual" Siemens							
	C21	Wallis et al., "Mechanical Heart-lung intracti Respirat. Environ. Exercise Physiol. 54: 103	ction with positive end-expiratory pressure", J. Appl. Physiol; 39-1047 (1983).					
EXAMIN	VER		DATE CONSIDERED					

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